

Title (en)

Tripping circuit with test circuit and selfprotected remote control for opening.

Title (de)

Differentialauslöser mit Prüfkreis und mit selbstgeschützter Fernbedienung zur Oeffnung.

Title (fr)

Déclencheur différentiel à circuit test et à télécommande d'ouverture autoprotégée.

Publication

**EP 0367690 B1 19931229 (FR)**

Application

**EP 89420414 A 19891025**

Priority

FR 8815056 A 19881104

Abstract (en)

[origin: EP0367690A1] A differential tripping circuit (11) comprises a summing transformer (30) associated with a tripping relay (36), a test circuit (38) having a test interruptor (50) with test button (52), and a remote- control opening circuit (60, 58) attached to terminals (54, 56) accesible from outside. The core (32) of the transformer (30) is equipped with two auxiliary windings (66, 68) connected in series in the test circuit (38) so as to magnetise the core (32) in the event of a defect of isolation of the remote-control circuit relative to earth. The isolation protection threshold of the remote-control circuit (60, 58) is at least equal to the sensitivity of the apparatus (10). Application: interruptors or differential circuit breakers.  
<IMAGE>

IPC 1-7

**H02H 3/04**

IPC 8 full level

**H02H 3/04** (2006.01); **H02H 3/33** (2006.01)

CPC (source: EP)

**H02H 3/334** (2013.01)

Cited by

AT409052B; CN102323502A; FR2731838A1; US5978191A; WO2007012563A1; WO9628872A1

Designated contracting state (EPC)

AT BE DE ES GB IT

DOCDB simple family (publication)

**EP 0367690 A1 19900509; EP 0367690 B1 19931229**; AT E99463 T1 19940115; DE 68911861 D1 19940210; DE 68911861 T2 19940630; ES 2049346 T3 19940416; FR 2638909 A1 19900511; FR 2638909 B1 19950331; PT 92191 A 19900531; PT 92191 B 19950809

DOCDB simple family (application)

**EP 89420414 A 19891025**; AT 89420414 T 19891025; DE 68911861 T 19891025; ES 89420414 T 19891025; FR 8815056 A 19881104; PT 9219189 A 19891103